

Morbidity and Mortality

Weekly
Report

PUBLIC HEALTH SERVICE

U. S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE

Prepared by the

COMMUNICABLE DISEASE CENTER

MEIrose 4-5131

For release January 13, 1961

Atlanta 22, Georgia

Vol. 10, No. 1

Provisional Information on Selected Notifiable Diseases in the United States and on Deaths in Selected Cities for Week Ended January 7, 1961

With the production of this issue of the Morbidity and Mortality weekly Report, the Communicable Disease Center has assumed responsibility for the collection and publication of data on notifiable diseases reported by the States and Puerto Rico and deaths reported by 123 major cities.

The Center welcomes the addition of this important function. We believe the closer current contact with those reporting morbidity and mortality data will better permit us more rapidly and successfully to carry out our primary role of providing consultation and assistance to the States when communicable disease problems occur.

The collection of morbidity data by the Public Health Service had its beginning more than 80 years ago when Congress authorized the compilation and publication of data on cholera, smallpox, plague and yellow fever. Prior to 1900, however, monthly and annual summaries of notifiable diseases were received from only a few States and cities. The number of States reporting gradually increased and in 1912, the Tenth Annual Conference of State and Territorial Health Authorities recommended weekly telegraphic reporting for selected communicable diseases. Until 1949, the weekly morbidity and mortality statistics were published in Public Health Reports. In 1959 this

Table 1. Cases of Specified Notifiable Diseases: United States

(Cumulative totals include revised and delayed reports through previous week)

Disease (Seventh Revision of International Lists, 1955)	1st Week			Cumulative						Approximate seasonal low point
	Ended Jan. 7, 1961	Ended Jan. 9, 1960	Median 1956-60	First week			Since season began			
				1961	1960	Median 1956-60	1960-61	1959-60	Median 1955-56 to 1959-60	
* Weekly incidence low or sporadic --- Data not available - Quantity zero										
Anthrax-----062	-	-	*	-	-	*	*	*	*	*
Botulism-----049.1	-	3	*	-	3	*	*	*	*	*
Brucellosis (undulant fever)-----044	9	10	10	9	10	10	*	*	*	*
Diphtheria-----055	20	31	24	20	31	24	600	569	779	July 1
Encephalitis, infectious-----082	25	23	20	25	23	20	25	23	20	Jan. 1
Hepatitis, infectious, and serum-----092,N998.5 pt.	1,014	594	385	1,014	594	385	16,189	8,614	5,475	Sept. 1
Malaria-----110-117	1	1	*	1	1	*	*	*	*	*
Measles-----085	6,261	7,076	6,650	6,261	7,076	6,650	42,308	45,148	43,319	Sept. 1
Meningitis, aseptic-----340 pt.	25	30	---	25	30	---	25	30	---	Jan. 1
Meningococcal infections-----057	37	36	54	37	36	54	691	686	860	Sept. 1
Poliomyelitis-----080	14	17	29	14	17	29	3,078	8,291	8,291	Apr. 1
Paralytic-----080.0,080.1	8	12	17	8	12	17	2,117	5,513	5,513	Apr. 1
Nonparalytic-----080.2	3	1	7	3	1	7	624	2,118	2,118	Apr. 1
Unspecified-----080.3	3	4	5	3	4	5	337	660	660	Apr. 1
Psittacosis-----096.2	1	1	*	1	1	*	*	*	*	*
Rabies in man-----094	-	-	*	-	-	*	*	*	*	*
Streptococcal sore throat, including scarlet fever-----050,051	7,596	6,977	---	7,596	6,977	---	105,248	---	---	Aug. 1
Typhoid fever-----040	6	6	13	6	6	13	692	732	1,023	Apr. 1
Typhus fever, endemic-----101	1	-	*	1	-	*	*	*	*	*
Rabies in animals-----	42	67	86	42	67	86	612	1,051	1,035	Oct. 1

function was transferred to the National Office of Vital Statistics and the *Morbidity and Mortality Weekly Report* became an independent publication growing to a current circulation of over 6,000 copies. Prepared under the able direction of Dr. Carl Dauer, this report has been a valuable aid in the fight against communicable disease.

We look forward to the continued improvement and development of this report so that it may be of greatest usefulness to all concerned with the problem of communicable disease control.

SUMMARY

Poliomyelitis - Eight paralytic cases were reported this week, four of which were delayed reports from Pennsylvania. Single cases were reported from Ohio, Virginia, North Carolina and Louisiana. Total and paralytic poliomyelitis cases are showing the customary seasonal decline.

Diphtheria - Texas reported 14 of the 20 current cases. A major outbreak in Hale County (see Epidemiological Reports) and other scattered occurrences including 6 cases and 2 deaths in Gonzalez have resulted in 110 cases being reported by Texas during the past 4 weeks. Some of the 110 reported cases represent asymptomatic carriers.

Hepatitis - A total of 1,014 cases were reported this week. During the four week period ending January 7, 1961, there has been an 85% increase in reported cases over the comparable four week period one year ago.

Influenza - To this date there have been no reports of outbreaks of influenza nor of an unusual incidence of respiratory disease. Pneumonia and influenza deaths reported from the 123 cities are at normal levels for this season of the year.

In view of the epidemic of A₂ strain influenza in the United States during the first three months of 1960, it is not expected that type A influenza will occur this year in the form of a nation-wide epidemic. Localized outbreaks or concentrations of cases of either Influenza A or B, however, may occur during the coming winter season.

Prompted by an analysis of excess influenza associated mortality during the past three years, the Public Health Service has encouraged routine, annual immunization against influenza among certain high-risk groups in order to prevent or reduce influenza-associated excess mortality. These high-risk groups include (1) persons with associated chronic illness, (2) individuals over 65 years of age, and (3) pregnant women.

With the exception of diphtheria and hepatitis, no unusual disease patterns are evident in this report for the week ending January 7, 1961.

EPIDEMIOLOGICAL REPORTS

Hepatitis - New Jersey

A report has been received from Dr. William J. Dougherty, Director, Preventable Disease Control, New Jersey State Department of Health, describing an unusual series of hepatitis cases among the patients of a single osteopathic physician practicing psychiatry who employed a great variety of oral and parenteral medications in his practice. A thorough epidemiological investigation has identified 36 possible cases and 14 fatalities.

The State Health Department learned of the problem late in October 1960, when Dr. William D. Schrack, Director, Communicable Disease Control, Pennsylvania Department of Health, reported a comatose patient and two deaths due to hepatitis, all patients of a New Jersey physician. Subsequent investigation showed the existence of 12 additional deaths probably due to acute liver disease also among this doctor's patients. Many of the deaths had similar histories of short, 3-7 day prodromata, with malaise, anorexia, and upper respiratory symptoms, followed by the abrupt onset of jaundice, coma, deterioration, and death. This picture was felt to be consistent with a fulminant viral hepatitis or a hepatotoxin.

The following tables present the age and time distribution of cases and deaths.

Month 1960	Total Cases	No. of Deaths	Age	Total Cases	Deaths
Jan-Feb	1	0	11 - 20	1	1
Mar-Apr	0	0	21 - 30	7	2
May-June	2	0	31 - 40	12	5
July-Aug	7	3	41 - 50	10	3
Sept-Oct	18	6	51 - 60	3	3
Nov-Dec	8	5	61 - 70	1	0
			Unknown	2	0
Total	36	14	Total	36	14

Only 1 case had its onset in December. The cases were almost equally divided among the sexes. Of the deaths, however, 10 were females and only 4 males. Many cases have now apparently recovered.

The common factor in this outbreak was a history of having received parenteral therapy from the doctor a sufficient length of time prior to the onset of the disease to have incubated serum hepatitis. Pathological material from each of the 14 fatalities was considered by a recognized authority on hepatopathology to be consistent with viral hepatitis.

All evidence thus far accumulated strongly supports the diagnosis of serum hepatitis among cases and deaths. The precise route of transmission is still under investigation.

Continued on page 8.

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(By place of occurrence. Numbers under diseases are category numbers of the Seventh Revision of the International Lists, 1955)

Area	Polio myelitis 080										Menin- gitis, aseptic	Brucel- losis (undulant fever)
	Total (Includes cases not specified by type)				Paralytic 080.0,080.1				Nonparalytic			
	1st Week		Cumulative, first week		1st Week		Cumulative, first week					
	1961	1960	1961	1960	1961	1960	1961	1960	1961	1960	340 pt.	O44
UNITED STATES-----	14	17	14	17	8	12	8	12	3	1	25	9
NEW ENGLAND-----	-	-	-	-	-	-	-	-	-	-	2	-
Maine-----	-	-	-	-	-	-	-	-	-	-	2	-
New Hampshire-----	-	-	-	-	-	-	-	-	-	-	-	-
Vermont-----	-	-	-	-	-	-	-	-	-	-	-	-
Massachusetts-----	-	-	-	-	-	-	-	-	-	-	-	-
Rhode Island-----	-	-	-	-	-	-	-	-	-	-	-	-
Connecticut-----	-	-	-	-	-	-	-	-	-	-	-	-
MIDDLE ATLANTIC-----	4	3	4	3	4	2	4	2	-	1	1	-
New York-----	-	3	-	3	-	2	-	2	-	1	1	-
New Jersey-----	-	-	-	-	-	-	-	-	-	-	-	-
Pennsylvania-----	4	-	4	-	4	-	4	-	-	-	-	-
EAST NORTH CENTRAL-----	1	2	1	2	1	-	1	-	-	-	4	1
Ohio-----	1	2	-	2	-	-	-	-	-	-	2	1
Indiana-----	-	-	-	-	-	-	-	-	-	-	-	-
Illinois-----	-	-	-	-	-	-	-	-	-	-	2	-
Michigan-----	-	-	-	-	-	-	-	-	-	-	-	-
Wisconsin-----	-	-	-	-	-	-	-	-	-	-	-	-
WEST NORTH CENTRAL-----	1	1	1	1	-	1	-	1	1	-	5	6
Minnesota-----	-	1	-	1	-	1	-	1	-	-	3	-
Iowa-----	-	-	-	-	-	-	-	-	-	-	-	3
Missouri-----	-	-	-	-	-	-	-	-	-	-	-	-
North Dakota-----	-	-	-	-	-	-	-	-	-	-	-	-
South Dakota-----	1	-	1	-	-	-	-	-	1	-	-	-
Nebraska-----	-	-	-	-	-	-	-	-	-	-	-	3
Kansas-----	-	-	-	-	-	-	-	-	-	-	2	-
SOUTH ATLANTIC-----	2	3	2	3	2	3	2	3	-	-	2	-
Delaware-----	-	-	-	-	-	-	-	-	-	-	-	-
Maryland-----	-	-	-	-	-	-	-	-	-	-	2	-
District of Columbia-----	-	-	-	-	-	-	-	-	-	-	-	-
Virginia-----	1	-	1	-	1	-	1	-	-	-	-	-
West Virginia-----	-	-	-	-	-	-	-	-	-	-	-	-
North Carolina-----	1	3	1	3	1	3	1	3	-	-	-	-
South Carolina-----	-	-	-	-	-	-	-	-	-	-	-	-
Georgia-----	-	-	-	-	-	-	-	-	-	-	-	-
Florida-----	-	-	-	-	-	-	-	-	-	-	-	-
EAST SOUTH CENTRAL-----	2	-	2	-	-	-	-	-	-	-	1	-
Kentucky-----	2	-	2	-	-	-	-	-	-	-	1	-
Tennessee-----	-	-	-	-	-	-	-	-	-	-	-	-
Alabama-----	-	-	-	-	-	-	-	-	-	-	-	-
Mississippi-----	-	-	-	-	-	-	-	-	-	-	-	-
WEST SOUTH CENTRAL-----	2	-	2	-	1	-	1	-	1	-	4	-
Arkansas-----	-	-	-	-	-	-	-	-	-	-	-	-
Louisiana-----	2	-	2	-	1	-	1	-	1	-	-	-
Oklahoma-----	-	-	-	-	-	-	-	-	-	-	-	-
Texas-----	-	-	-	-	-	-	-	-	-	-	4	-
MOUNTAIN-----	2	-	2	-	-	-	-	-	1	-	-	2
Montana-----	-	-	-	-	-	-	-	-	-	-	-	-
Idaho-----	-	-	-	-	-	-	-	-	-	-	-	-
Wyoming-----	-	-	-	-	-	-	-	-	-	-	-	1
Colorado-----	-	-	-	-	-	-	-	-	-	-	-	-
New Mexico-----	-	-	-	-	-	-	-	-	-	-	-	-
Arizona-----	1	-	1	-	-	-	-	-	1	-	-	-
Utah-----	1	-	1	-	-	-	-	-	-	-	-	1
Nevada-----	-	-	-	-	-	-	-	-	-	-	-	-
PACIFIC-----	-	8	-	8	-	6	-	6	-	-	6	-
Washington-----	-	-	-	-	-	-	-	-	-	-	1	-
Oregon-----	-	3	-	3	-	1	-	1	-	-	-	-
California-----	-	5	-	5	-	5	-	5	-	-	5	-
Alaska-----	-	-	-	-	-	-	-	-	-	-	-	-
Hawaii-----	-	-	-	-	-	-	-	-	-	-	-	-
Puerto Rico-----	-	-	-	-	-	-	-	-	-	-	-	-

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Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, AND PUERTO RICO, FOR WEEKS ENDED JANUARY 9, 1960 AND JANUARY 7, 1961 - Continued

(By place of occurrence. Numbers under diseases are category numbers of the Seventh Revision of the International Lists, 1955)

Area	Diphtheria 055				Encephalitis, infectious		Hepatitis, infectious, and serum 092,N998.5 pt.				Measles	
	1st Week		Cumulative, first week		082		1st Week		Cumulative, first week		085	
	1961	1960	1961	1960	1961	1960	1961	1960	1961	1960	1961	1960
UNITED STATES-----	20	31	20	31	25	23	1,014	594	1,014	594	6,261	7,076
NEW ENGLAND-----	-	-	-	-	1	-	29	18	29	18	451	539
Maine-----	-	-	-	-	-	-	4	-	4	-	18	128
New Hampshire-----	-	-	-	-	-	-	2	-	2	-	25	2
Vermont-----	-	-	-	-	-	-	3	-	3	-	17	-
Massachusetts-----	-	-	-	-	1	-	9	13	9	13	268	355
Rhode Island-----	-	-	-	-	-	-	3	3	3	3	102	21
Connecticut-----	-	-	-	-	-	-	8	2	8	2	21	33
MIDDLE ATLANTIC-----	-	-	-	-	2	7	85	43	85	43	1,312	581
New York-----	-	-	-	-	2	-	48	19	48	19	683	514
New Jersey-----	-	-	-	-	-	-	4	2	4	2	117	23
Pennsylvania-----	-	-	-	-	-	7	33	22	33	22	512	44
EAST NORTH CENTRAL-----	-	1	-	1	4	-	229	91	229	91	1,819	1,766
Ohio-----	-	1	-	1	-	-	131	14	131	14	280	152
Indiana-----	-	-	-	-	-	-	11	1	11	1	100	124
Illinois-----	-	-	-	-	3	-	25	25	25	25	214	751
Michigan-----	-	-	-	-	1	-	56	39	56	39	215	329
Wisconsin-----	-	-	-	-	-	-	6	12	6	12	1,010	410
WEST NORTH CENTRAL-----	1	4	1	4	2	2	83	58	83	58	257	104
Minnesota-----	1	2	1	2	-	1	19	6	19	6	5	40
Iowa-----	-	-	-	-	-	-	10	8	10	8	18	6
Missouri-----	-	-	-	-	2	-	15	21	15	21	93	4
North Dakota-----	-	1	-	1	-	1	2	5	2	5	134	51
South Dakota-----	-	-	-	-	-	-	4	6	4	6	1	1
Nebraska-----	-	-	-	-	-	-	21	5	21	5	6	2
Kansas-----	-	1	-	1	-	-	12	7	12	7	NN	NN
SOUTH ATLANTIC-----	3	8	3	8	6	2	122	62	122	62	853	302
Delaware-----	-	-	-	-	-	-	10	5	10	5	71	4
Maryland-----	-	-	-	-	-	1	14	10	14	10	19	67
District of Columbia-----	-	-	-	-	-	-	-	-	-	-	1	18
Virginia-----	-	4	-	4	3	1	17	18	17	18	322	142
West Virginia-----	1	-	1	-	-	-	34	18	34	18	88	10
North Carolina-----	-	-	-	-	-	-	10	2	10	2	72	21
South Carolina-----	-	3	-	3	-	-	21	-	21	-	210	3
Georgia-----	1	1	1	1	-	-	2	1	2	1	-	1
Florida-----	1	-	1	-	3	-	14	8	14	8	70	36
EAST SOUTH CENTRAL-----	2	3	2	3	-	-	202	101	202	101	660	322
Kentucky-----	1	-	1	-	-	-	83	49	83	49	505	188
Tennessee-----	1	1	1	1	-	-	73	37	73	37	129	132
Alabama-----	-	2	-	2	-	-	37	12	37	12	23	2
Mississippi-----	-	-	-	-	-	-	9	3	9	3	3	-
WEST SOUTH CENTRAL-----	14	5	14	5	2	3	52	55	52	55	177	1,558
Arkansas-----	-	-	-	-	-	-	3	5	3	5	2	-
Louisiana-----	-	-	-	-	-	-	1	-	1	-	-	-
Oklahoma-----	-	-	-	-	-	-	-	6	-	6	1	18
Texas-----	14	5	14	5	2	3	48	44	48	44	174	1,540
MOUNTAIN-----	-	10	-	10	1	-	63	70	63	70	291	692
Montana-----	-	-	-	-	-	-	9	4	9	4	42	76
Idaho-----	-	9	-	9	-	-	6	6	6	6	49	138
Wyoming-----	-	-	-	-	-	-	1	-	1	-	10	167
Colorado-----	-	-	-	-	-	-	27	14	27	14	62	27
New Mexico-----	-	-	-	-	-	-	2	26	2	26	-	-
Arizona-----	-	-	-	-	1	-	4	15	4	15	88	43
Utah-----	-	1	-	1	-	-	12	5	12	5	18	241
Nevada-----	-	-	-	-	-	-	2	-	2	-	22	-
PACIFIC-----	-	-	-	-	7	9	149	96	149	96	441	1,212
Washington-----	-	-	-	-	-	-	3	3	3	3	68	309
Oregon-----	-	-	-	-	-	-	29	20	29	20	77	156
California-----	-	-	-	-	7	9	117	69	117	69	271	179
Alaska-----	-	-	-	-	-	-	-	2	-	2	25	81
Hawaii-----	-	-	-	-	-	-	-	2	-	2	-	487
Puerto Rico-----	-	-	-	-	-	-	-	-	-	-	42	14

NN-Notifiable

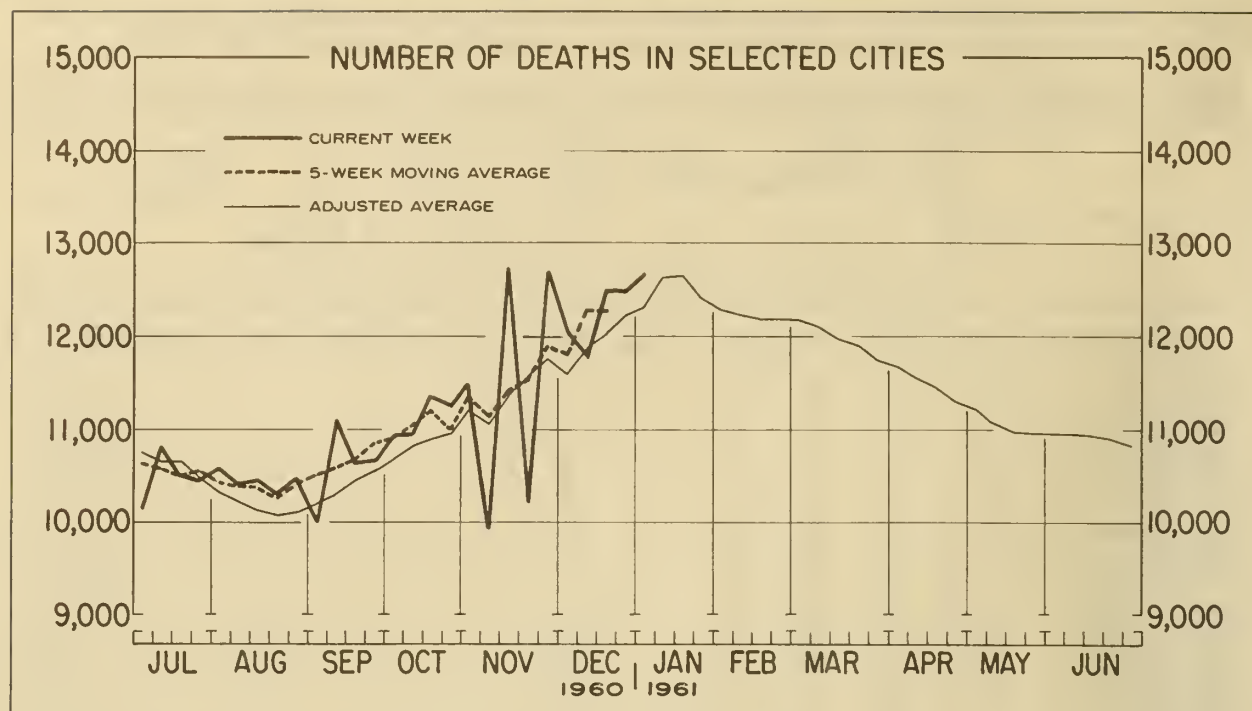
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Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, AND PUERTO RICO, FOR WEEKS ENDED JANUARY 9, 1960 AND JANUARY 7, 1961 - Continued

(By place of occurrence. Numbers under diseases are category numbers of the Seventh Revision of the International Lists, 1955)

Area	Malaria	Meningococcal infections		Psittacosis	Streptococcal sore throat, etc.	Typhoid fever 040				Typhus fever, endemic	Rabies in animals	
	110-117	057		096.2	050,051	1st Week		Cumulative, first week		101		
	1961	1961	1960	1961	1961	1961	1960	1961	1960	1961	1961	1960
UNITED STATES-----	1	37	36	1	7,596	6	6	6	6	1	42	67
NEW ENGLAND-----	1	1	1	-	357	-	-	-	-	-	-	-
Maine-----	-	1	-	-	23	-	-	-	-	-	-	-
New Hampshire-----	-	-	-	-	12	-	-	-	-	-	-	-
Vermont-----	-	-	-	-	3	-	-	-	-	-	-	-
Massachusetts-----	-	-	-	-	131	-	-	-	-	-	-	-
Rhode Island-----	-	-	-	-	17	-	-	-	-	-	-	-
Connecticut-----	1	-	1	-	171	-	-	-	-	-	-	-
MIDDLE ATLANTIC-----	-	2	10	-	341	1	-	1	-	-	2	6
New York-----	-	2	5	-	272	1	-	1	-	-	2	6
New Jersey-----	-	-	1	-	17	-	-	-	-	-	-	-
Pennsylvania-----	-	-	4	-	52	-	-	-	-	-	-	-
EAST NORTH CENTRAL-----	-	10	6	-	666	2	-	2	-	-	2	7
Ohio-----	-	4	1	-	154	1	-	1	-	-	-	2
Indiana-----	-	-	-	-	100	-	-	-	-	-	-	2
Illinois-----	-	-	4	-	71	-	-	-	-	-	-	1
Michigan-----	-	6	1	-	185	-	-	-	-	-	-	-
Wisconsin-----	-	-	-	-	156	1	-	1	-	-	2	2
WEST NORTH CENTRAL-----	-	3	3	-	211	-	-	-	-	-	10	13
Minnesota-----	-	1	2	-	8	-	-	-	-	-	-	3
Iowa-----	-	-	-	-	33	-	-	-	-	-	6	4
Missouri-----	-	-	-	-	9	-	-	-	-	-	3	6
North Dakota-----	-	-	-	-	138	-	-	-	-	-	-	-
South Dakota-----	-	-	-	-	-	-	-	-	-	-	-	-
Nebraska-----	-	1	-	-	-	-	-	-	-	-	1	-
Kansas-----	-	1	1	-	23	-	-	-	-	-	-	-
SOUTH ATLANTIC-----	-	6	4	-	504	-	2	-	2	-	4	9
Delaware-----	-	-	-	-	3	-	-	-	-	-	-	-
Maryland-----	-	-	-	-	5	-	-	-	-	-	-	-
District of Columbia-----	-	1	-	-	3	-	-	-	-	-	-	-
Virginia-----	-	2	3	-	141	-	-	-	-	-	2	4
West Virginia-----	-	-	-	-	158	-	-	-	-	-	-	2
North Carolina-----	-	-	-	-	17	-	2	-	2	-	-	3
South Carolina-----	-	-	-	-	43	-	-	-	-	-	-	-
Georgia-----	-	-	-	-	-	-	-	-	-	-	-	-
Florida-----	-	3	1	-	134	-	-	-	-	-	2	-
EAST SOUTH CENTRAL-----	-	6	4	-	1,621	-	2	-	2	-	4	7
Kentucky-----	-	2	-	-	342	-	-	-	-	-	-	3
Tennessee-----	-	2	2	-	1,230	-	2	-	2	-	4	3
Alabama-----	-	2	1	-	42	-	-	-	-	-	-	1
Mississippi-----	-	-	1	-	7	-	-	-	-	-	-	-
WEST SOUTH CENTRAL-----	-	2	1	-	1,301	1	2	1	2	1	14	20
Arkansas-----	-	-	-	-	-	-	-	-	-	-	7	9
Louisiana-----	-	-	-	-	8	-	-	-	-	-	1	1
Oklahoma-----	-	-	-	-	35	-	-	-	-	-	-	-
Texas-----	-	2	1	-	1,258	1	2	1	2	1	6	10
MOUNTAIN-----	-	2	1	-	1,699	1	-	1	-	-	4	-
Montana-----	-	-	-	-	105	1	-	1	-	-	-	-
Idaho-----	-	-	-	-	147	-	-	-	-	-	-	-
Wyoming-----	-	-	-	-	8	-	-	-	-	-	-	-
Colorado-----	-	-	-	-	454	-	-	-	-	-	-	-
New Mexico-----	-	-	-	-	378	-	-	-	-	-	4	-
Arizona-----	-	1	1	-	188	-	-	-	-	-	-	-
Utah-----	-	-	-	-	378	-	-	-	-	-	-	-
Nevada-----	-	1	-	-	41	-	-	-	-	-	-	-
PACIFIC-----	-	5	6	1	896	1	-	1	-	-	2	5
Washington-----	-	-	1	-	230	-	-	-	-	-	-	-
Oregon-----	-	-	-	1	52	-	-	-	-	-	-	-
California-----	-	5	5	-	614	1	-	1	-	-	2	5
Alaska-----	-	-	-	-	-	-	-	-	-	-	-	-
Hawaii-----	-	-	-	-	-	-	-	-	-	-	-	-
Puerto Rico-----	-	-	-	-	-	-	1	-	1	-	-	-



The chart shows the number of deaths reported for 117 major cities of the United States by week for the current year, a 5-week moving average of these figures plotted at the central week, and an adjusted average for comparison. For each region the adjusted average was computed as follows: From the total deaths reported each week for the years 1956-1960, 3 central figures were selected by eliminating the highest and lowest figure reported for that week. A 5-week moving average of the arithmetic mean of the 3 central figures was then computed with adjustment to allow for population growth in each region. The average value of the regional increases was 2 percent which was incorporated in the adjusted average shown in the chart.

Table 4 shows the number of death certificates re-

ceived during the week indicated for deaths that occurred in selected cities. Figures compiled in this way, by week of receipt, usually approximate closely the number of deaths occurring during the week. However, differences are to be expected because of variations in the interval between death and receipt of the certificate and because of incomplete reporting due to holidays or vacations. If a report is not received from a city in time to be included in the total for the current week, an estimate is used.

The number of deaths in cities of the same size may also differ because of variations in the age, race, and sex composition of the populations and because some cities are hospital centers serving the surrounding areas. Changes from year to year in the number of deaths may be due in part to population increases or decreases.

Table 3. DEATHS IN SELECTED CITIES BY GEOGRAPHIC DIVISIONS

(By place of occurrence and week of filing certificate. Excludes fetal deaths. Data exclude figures shown in parentheses in table 4)

Area	1st week ended Jan. 7, 1961	52nd week ended Dec. 31, 1960	Adjusted average, 1st week 1956-60	Percent change, adjusted average to current week	Cumulative, first week		
					1961	1960	Percent change
TOTAL, 117 REPORTING CITIES-----	12,650	12,149	12,311	+2.8	12,650	13,287	-4.8
New England----- (14 cities)	778	842	753	+3.3	778	852	-8.7
Middle Atlantic----- (20 cities)	3,671	3,428	3,372	+8.9	3,671	3,559	+3.1
East North Central----- (21 cities)	2,714	2,707	2,640	+2.8	2,714	2,970	-8.6
West North Central----- (9 cities)	842	829	858	-1.9	842	841	+0.1
South Atlantic----- (11 cities)	1,186	1,033	1,068	+11.0	1,186	1,098	+8.0
East South Central----- (8 cities)	559	475	547	+2.2	559	665	-15.9
West South Central----- (13 cities)	1,051	1,021	1,126	-6.7	1,051	1,219	-13.8
Mountain----- (8 cities)	355	337	379	-6.3	355	418	-15.1
Pacific----- (13 cities)	1,494	1,477	1,568	-4.7	1,494	1,665	-10.3

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Table 4. DEATHS IN SELECTED CITIES

(By place of occurrence and week of filing certificate. Excludes fetal deaths)

Area	1st week ended Jan. 7, 1961	52nd week ended Dec. 31, 1960	Cumulative, first week		Area	1st week ended Jan. 7, 1961	52nd week ended Dec. 31, 1960	Cumulative, first week	
			1961	1960				1961	1960
NEW ENGLAND:					WEST NORTH CENTRAL—Con.:				
Boston, Mass.-----	270	303	270	238	St. Louis, Mo.-----	263	256	263	312
Bridgeport, Conn.-----	51	35	51	62	St. Paul, Minn.-----	77	63	77	84
Cambridge, Mass.-----	32	29	32	42	Wichita, Kans.-----	40	69	40	24
Fall River, Mass.-----	28	30	28	28	SOUTH ATLANTIC:				
Hartford, Conn.-----	41	45	41	50	Atlanta, Ga.-----	122	122	122	121
Lowell, Mass.-----	34	29	34	18	Baltimore, Md.-----	295	258	295	234
Lynn, Mass.-----	35	28	35	35	Charlotte, N.C.-----	40	33	40	52
New Bedford, Mass.-----	30	35	30	35	Jacksonville, Fla.-----	112	60	112	59
New Haven, Conn.-----	39	45	39	63	Miami, Fla.-----	64	86	64	74
Providence, R.I.-----	72	71	72	97	Norfolk, Va.-----	58	45	58	56
Somerville, Mass.-----	13	19	13	14	Richmond, Va.-----	92	88	92	113
Springfield, Mass.-----	42	52	42	54	Savannah, Ga.-----	49	35	49	58
Waterbury, Conn.-----	28	30	28	33	St. Petersburg, Fla.-----	(104)	(63)	(104)	(95)
Worcester, Mass.-----	63	91	63	83	Tampa, Fla.-----	94	86	94	73
MIDDLE ATLANTIC:					Washington, D.C.-----	208	187	208	195
Albany, N.Y.-----	62	51	62	47	Wilmington, Del.-----	52	33	52	63
Allentown, Pa.-----	34	39	34	43	EAST SOUTH CENTRAL:				
Buffalo, N.Y.-----	166	170	166	195	Birmingham, Ala.-----	100	67	100	130
Camden, N.J.-----	45	51	45	52	Chattanooga, Tenn.-----	68	35	68	54
Elizabeth, N.J.-----	31	36	31	33	Knoxville, Tenn.-----	38	23	38	36
Erie, Pa.-----	50	45	50	49	Louisville, Ky.-----	88	76	88	141
Jersey City, N.J.-----	112	76	112	96	Memphis, Tenn.-----	122	109	122	124
Newark, N.J.-----	148	102	148	135	Mobile, Ala.-----	47	45	47	49
New York City, N.Y.-----	1,790	1,897	1,790	1,690	Montgomery, Ala.-----	27	55	27	46
Paterson, N.J.-----	52	39	52	57	Nashville, Tenn.-----	69	65	69	85
Philadelphia, Pa.-----	515	312	515	513	WEST SOUTH CENTRAL:				
Pittsburgh, Pa.-----	232	189	232	251	Austin, Tex.-----	33	35	33	29
Reading, Pa.-----	19	28	19	30	Baton Rouge, La.-----	36	44	36	38
Rochester, N.Y.-----	126	117	126	120	Corpus Christi, Tex.-----	23	17	23	18
Schenectady, N.Y.-----	29	43	29	30	Dallas, Tex.-----	127	138	127	113
Scranton, Pa.-----	40	50	40	51	El Paso, Tex.-----	45	40	45	54
Syracuse, N.Y.-----	79	81	79	72	Fort Worth, Tex.-----	52	60	52	43
Trenton, N.J.-----	52	53	52	28	Houston, Tex.-----	188	180	188	209
Utica, N.Y.-----	48	23	48	42	Little Rock, Ark.-----	55	40	55	88
Yonkers, N.Y.-----	41	26	41	25	New Orleans, La.-----	178	193	178	214
EAST NORTH CENTRAL:					Oklahoma City, Okla.-----	87	85	87	88
Akron, Ohio-----	54	70	54	56	San Antonio, Tex.-----	114	105	114	184
Canton, Ohio-----	30	40	30	44	Shreveport, La.-----	34	51	34	68
Chicago, Ill.-----	785	854	785	968	Tulsa, Okla.-----	79	33	79	73
Cincinnati, Ohio-----	181	153	181	167	MOUNTAIN:				
Cleveland, Ohio-----	260	235	260	225	Albuquerque, N. Mex.-----	34	33	34	40
Columbus, Ohio-----	134	124	134	172	Colorado Springs, Colo.-----	18	23	18	20
Dayton, Ohio-----	101	88	101	76	Denver, Colo.-----	101	88	101	138
Detroit, Mich.-----	366	330	366	355	Ogden, Utah-----	14	14	14	17
Evansville, Ind.-----	26	46	26	27	Phoenix, Ariz.-----	98	68	98	85
Flint, Mich.-----	49	43	49	50	Pueblo, Colo.-----	12	16	12	13
Fort Wayne, Ind.-----	49	40	49	58	Salt Lake City, Utah-----	38	44	38	82
Gary, Ind.-----	35	35	35	49	Tucson, Ariz.-----	40	51	40	23
Grand Rapids, Mich.-----	45	57	45	51	PACIFIC:				
Indianapolis, Ind.-----	159	160	159	155	Berkeley, Calif.-----	16	17	16	21
Madison, Wis.-----	39	31	39	30	Fresno, Calif.-----	(25)	(45)	(25)	(42)
Milwaukee, Wis.-----	149	128	149	151	Glendale, Calif.-----	(30)	(28)	(30)	(46)
Peoria, Ill.-----	37	35	37	37	Honolulu, Hawaii-----	60	48	60	39
Rockford, Ill.-----	23	36	23	44	Long Beach, Calif.-----	52	52	52	54
South Bend, Ind.-----	37	35	37	44	Los Angeles, Calif.-----	536	557	536	547
Toledo, Ohio-----	102	104	102	137	Oakland, Calif.-----	107	105	107	102
Youngstown, Ohio-----	53	63	53	74	Pasadena, Calif.-----	32	38	32	47
WEST NORTH CENTRAL:					Portland, Oreg.-----	118	88	118	145
Des Moines, Iowa-----	35	50	35	62	Sacramento, Calif.-----	71	65	71	89
Duluth, Minn.-----	35	24	35	24	San Diego, Calif.-----	65	68	65	116
Kansas City, Kans.-----	43	51	43	35	San Francisco, Calif.-----	201	185	201	254
Kansas City, Mo.-----	165	120	165	75	San Jose, Calif.-----	(---)	(38)	(---)	(29)
Lincoln, Nebr.-----	(61)	(9)	(61)	(43)	Seattle, Wash.-----	139	149	139	154
Minneapolis, Minn.-----	118	119	118	139	Spokane, Wash.-----	54	46	54	43
Omaha, Nebr.-----	66	77	66	86	Tacoma, Wash.-----	43	59	43	54
					San Juan, P. R.-----	(40)	(27)	(40)	(---)
() Figures shown in parenthesis are from cities which have									

() Figures shown in parenthesis are from cities which have been reporting less than five years and hence are not included in Table 3.

QUARANTINE MEASURES

Immunization Information for International TravelNo Changes Reported

SOURCE AND NATURE OF MORBIDITY DATA

These provisional data are based on reports to the Public Health Service from the health departments of each State and Puerto Rico. They give the total number of cases of certain communicable diseases reported during the week usually ended the preceding Saturday. Total figures for the United States and the Pacific Division include data for the States of Alaska and Hawaii. Cases of anthrax, botulism, and rabies in man are not shown in table 2, but a footnote to table 1 shows the States reporting these diseases. When diseases of rare occurrence are reported by a State (cholera, dengue, plague, louse-borne relapsing fever, smallpox, louse-borne epidemic typhus, and yellow fever) this is noted below table 1.

Diphtheria - Hale County, Texas

A follow-up on the diphtheria outbreak reported in Vol. 9, No. 51, has been received from Dr. Van Tipton, Chief, Communicable Disease Control, Texas State Board of Health.

A total of 60 cases, including one death, have occurred in Hale County since early November, with 56 cases localized in Plainview (population 18,000). The cases are concentrated in the lower socioeconomic Latin and Anglo-American children.

During the first two weeks in November, 9 cases occurred in children attending two elementary schools. Immunization programs in these schools seemed to contain the outbreak. However, during the week ending December 17, 14 cases were reported, 11 of them from one family. During the two following weeks 32 additional cases were reported in Plainview, with the last case having been reported January 1. Students from 5 additional schools were infected during this second phase of the outbreak.

In school and extensive public clinics, 8,800 immunizations have been given. Private physicians of the community have given about 12,000 additional immunizations. These large scale measures appear to have controlled the outbreak.

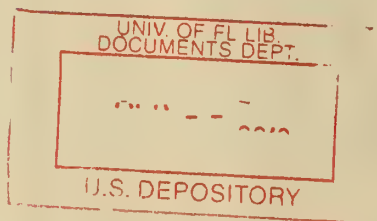
Ages of Plainview cases are as follows:

	0-4	5-9	10-14	15-19	20-29	Over 29
Cases	19	9	13	7	3	5

Immunization status of cases:

Status	No.
Fully immunized	0
Lapsed	6
Inadequate	8
No immunizations	42

A virulent *mitis* strain has been recovered from 14 of 19 isolates typed. In addition to the cases, 28 asymptomatic carriers in Plainview have been identified by culture.



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